

Appendix DNeptunium Isotherms

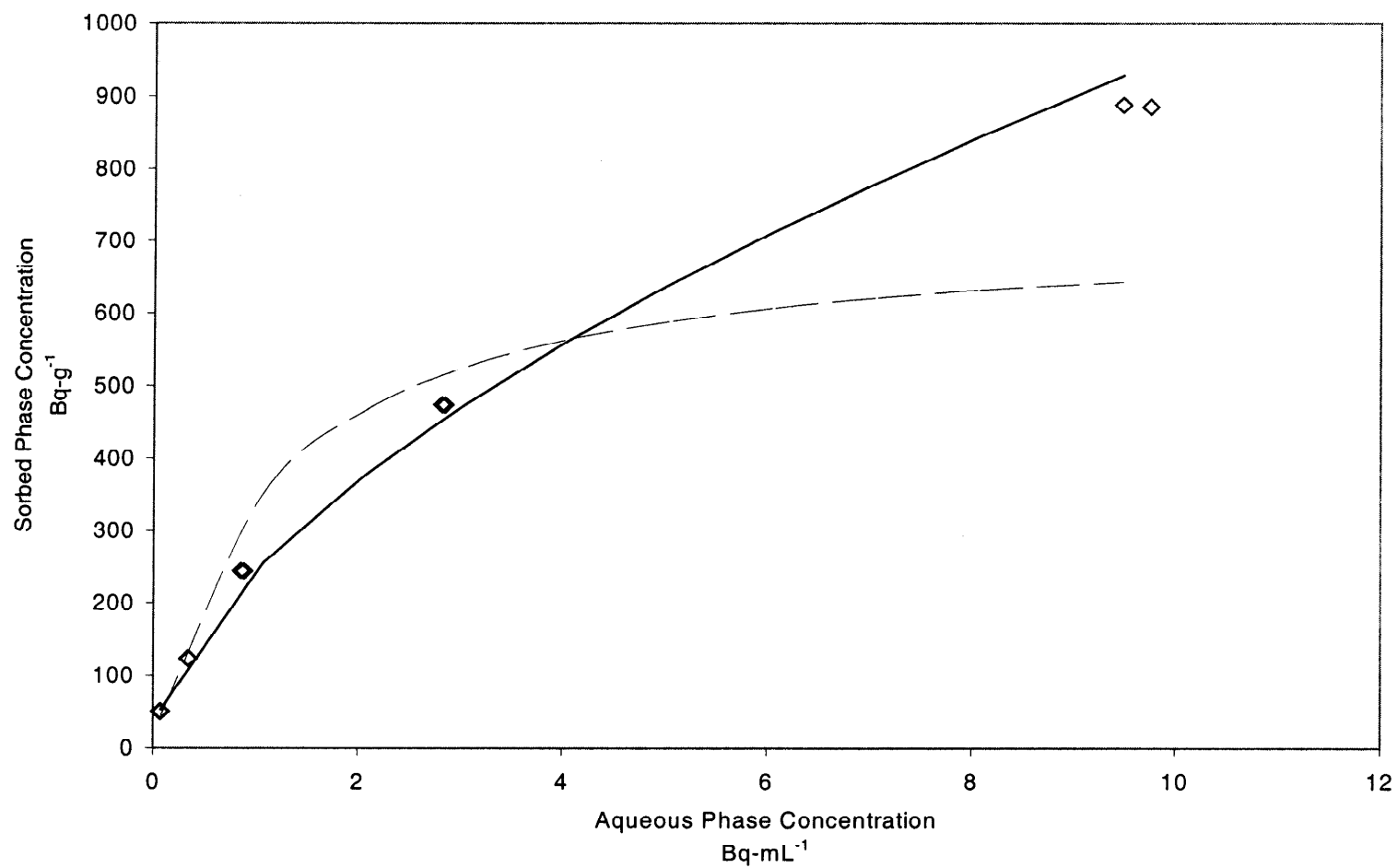


Figure D.1 Application of sorption models to results of equilibrium study for neptunium on soil 7DS00101KD (◇). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

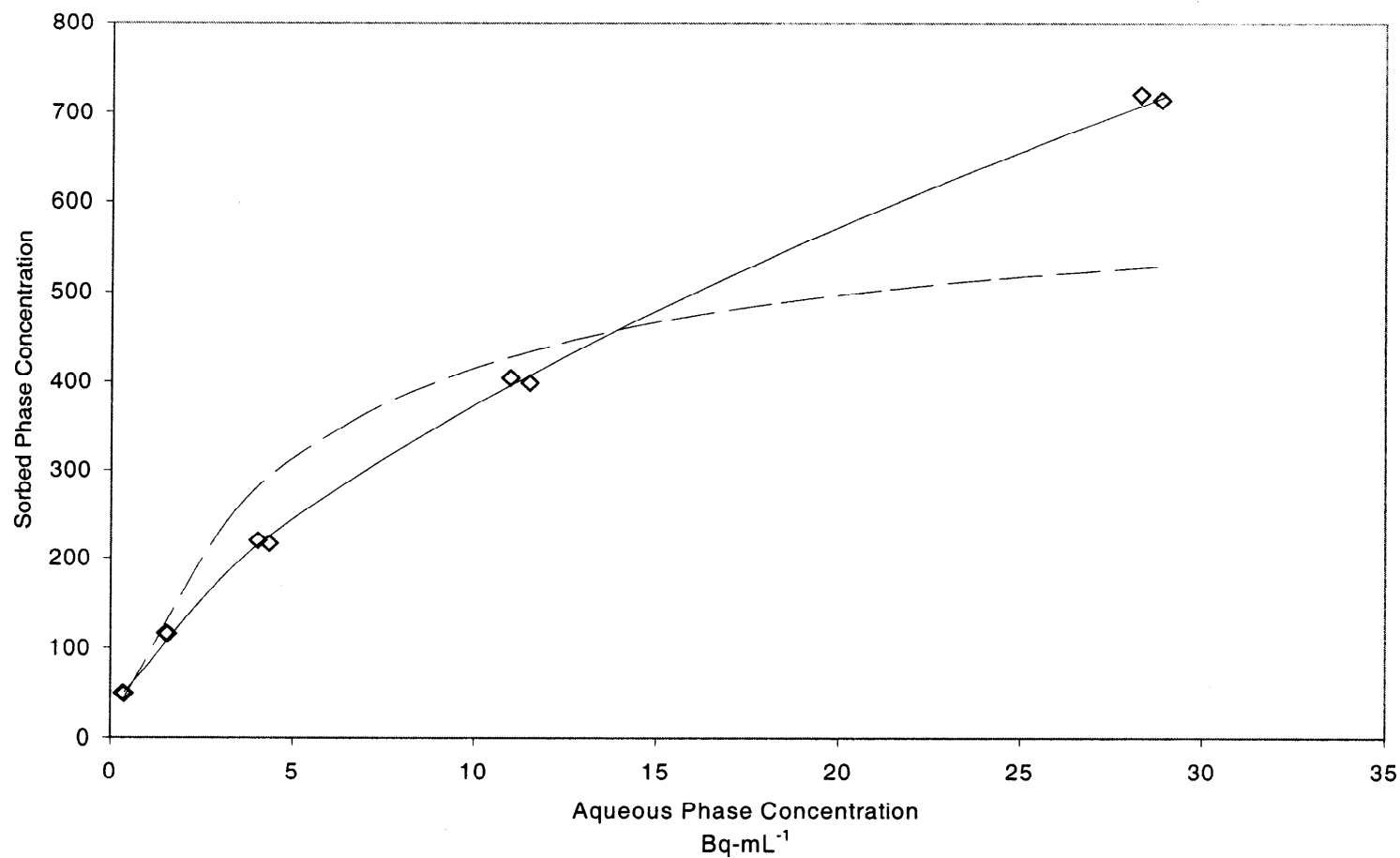


Figure D.2 Application of sorption models to results of equilibrium study for neptunium on soil 7DS00301KD (\diamond). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

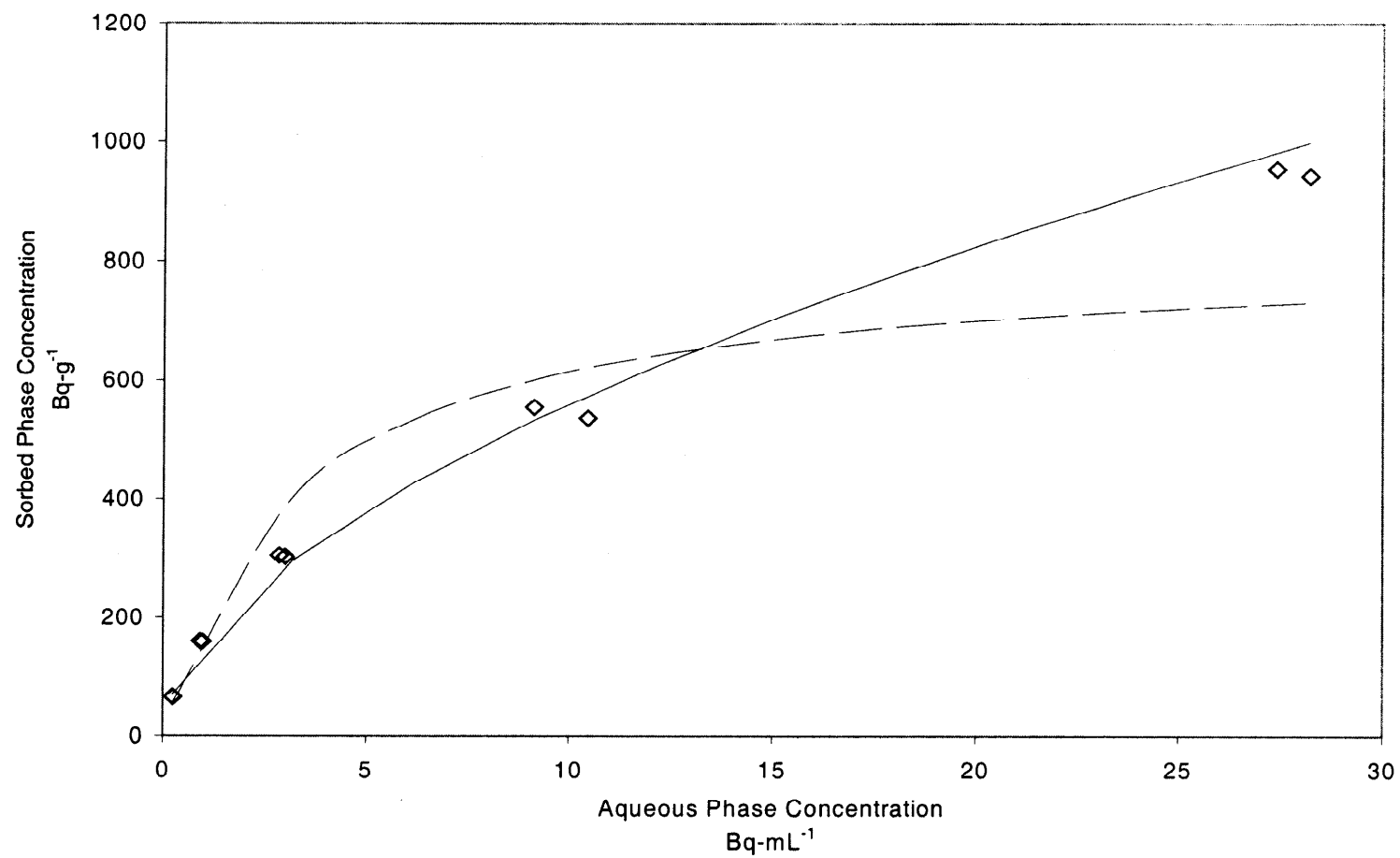


Figure D.3 Application of sorption models to results of equilibrium study for neptunium on soil 7DS00501KD (◇). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

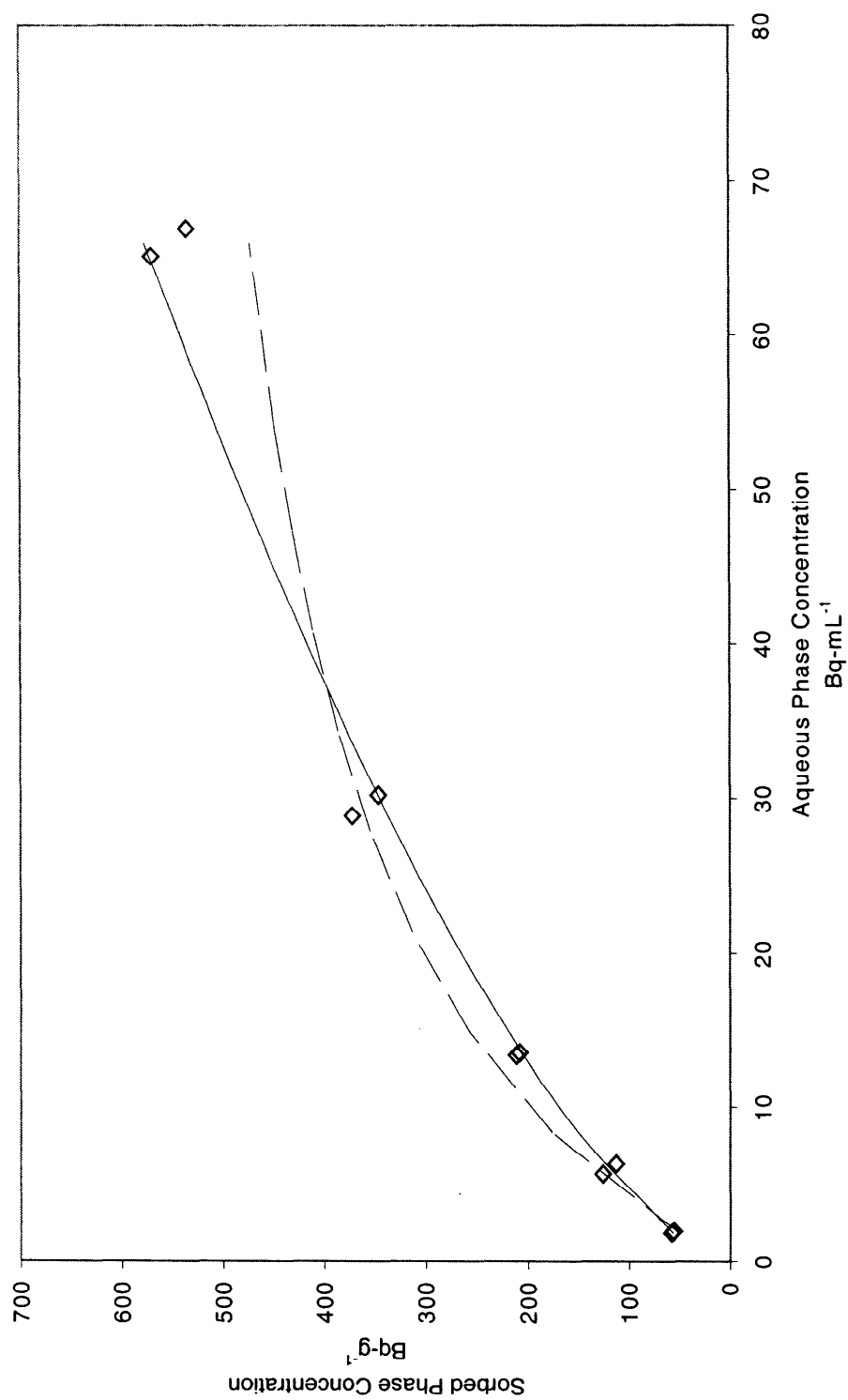


Figure D.4 Application of sorption models to results of equilibrium study for neptunium on soil 7DS00701KD (\diamond). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

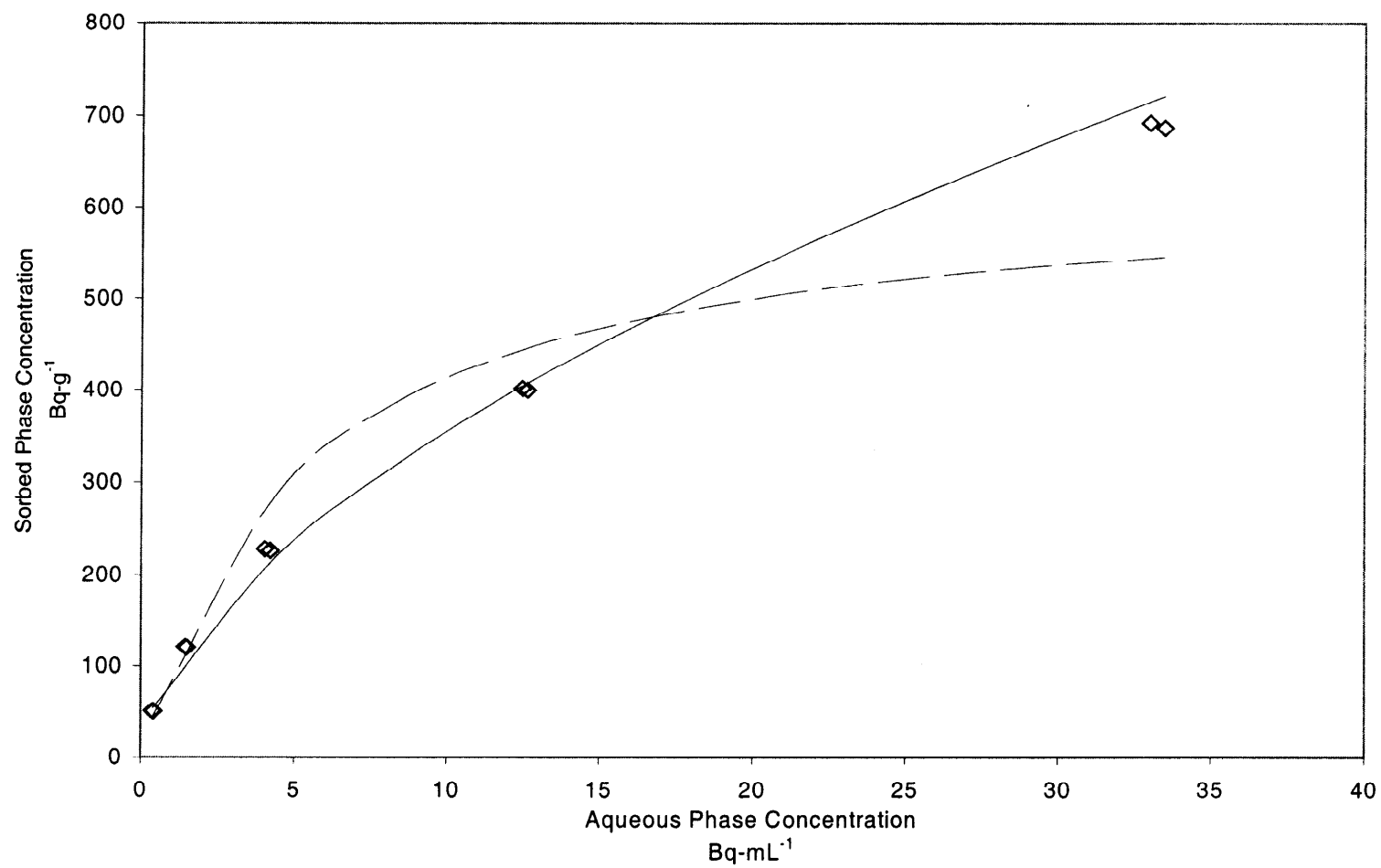


Figure D.5 Application of sorption models to results of equilibrium study for neptunium on soil 7DS00901KD (\diamond). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

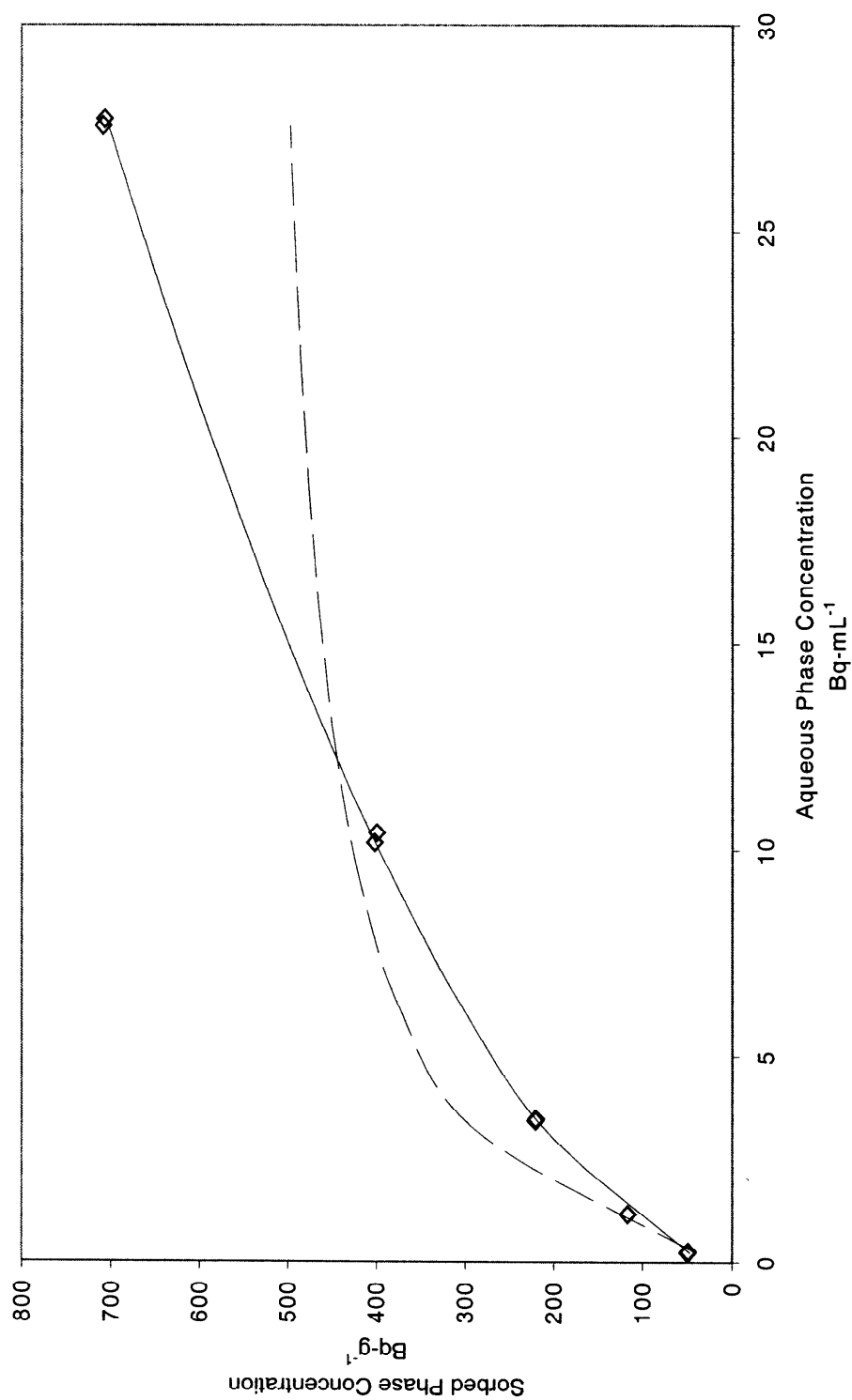


Figure D.6 Application of sorption models to results of equilibrium study for neptunium on soil 7DS02301KD (◇). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

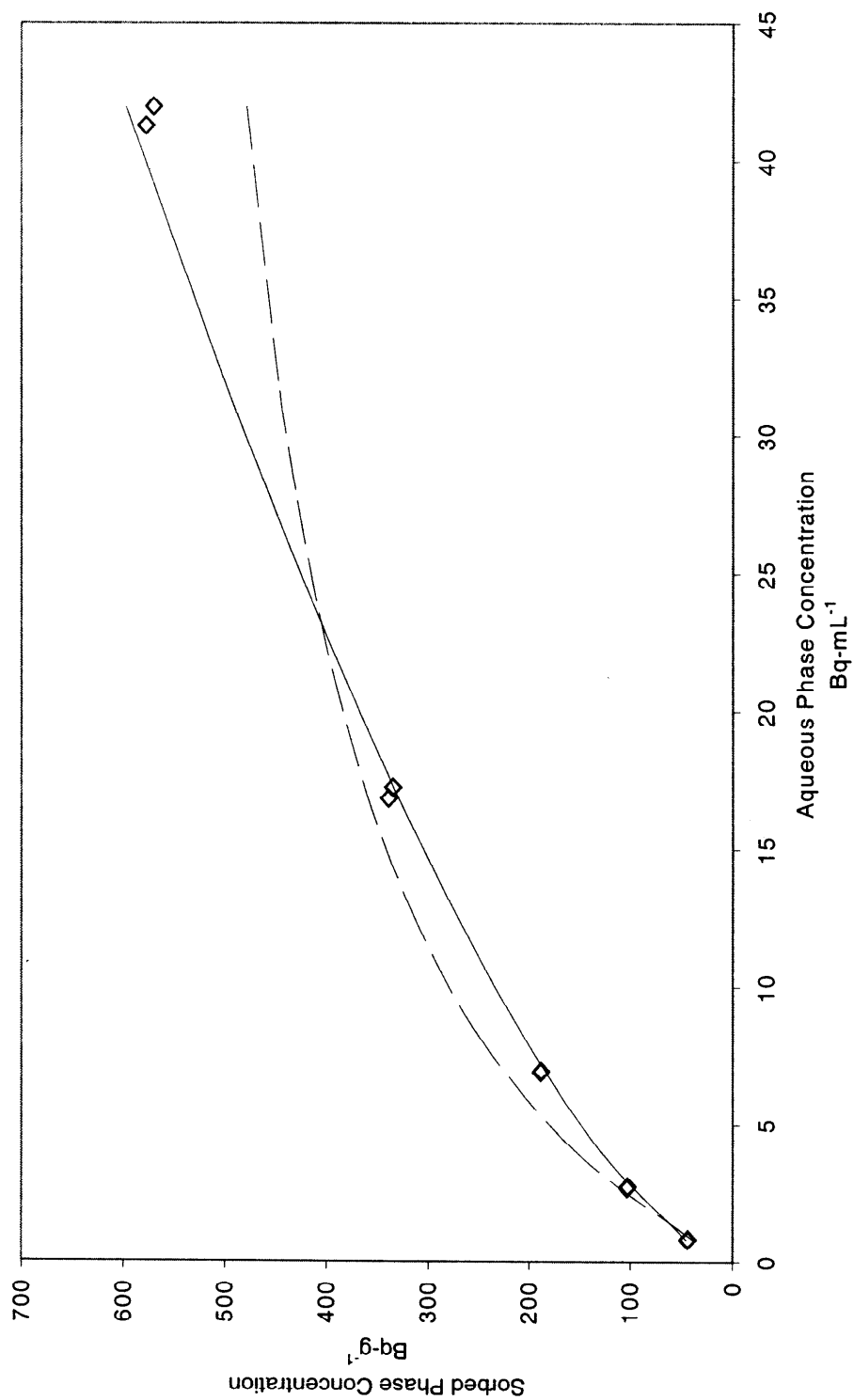


Figure D.7 Application of sorption models to results of equilibrium study for neptunium on soil I2S-INEEL-105 (\diamond). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

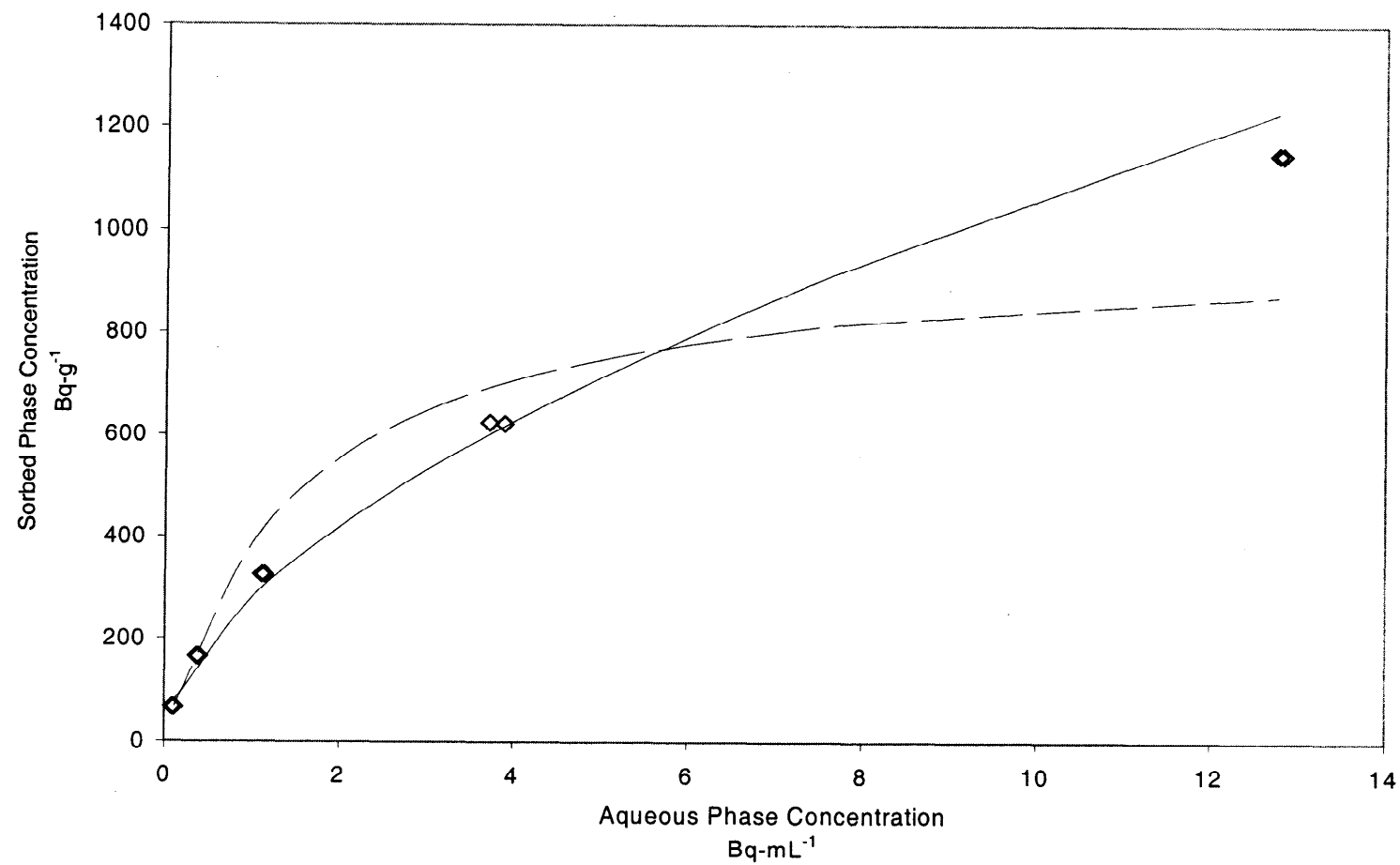


Figure D.8 Application of sorption models to results of equilibrium study for neptunium on soil I1S-INEEL-109 (\diamond). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

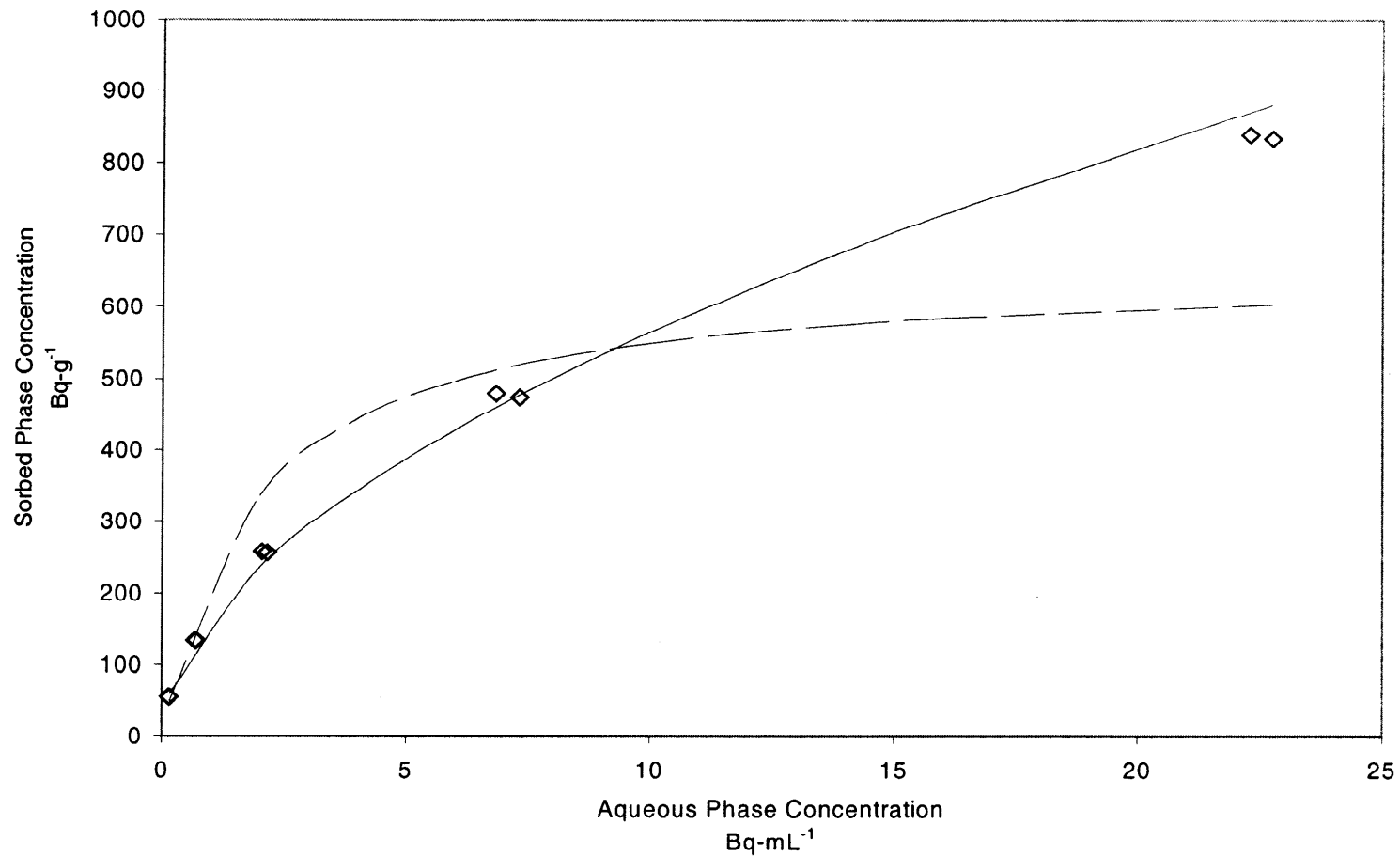


Figure D.9 Application of sorption models to results of equilibrium study for neptunium on soil I4D-INEEL-224 (\diamond). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

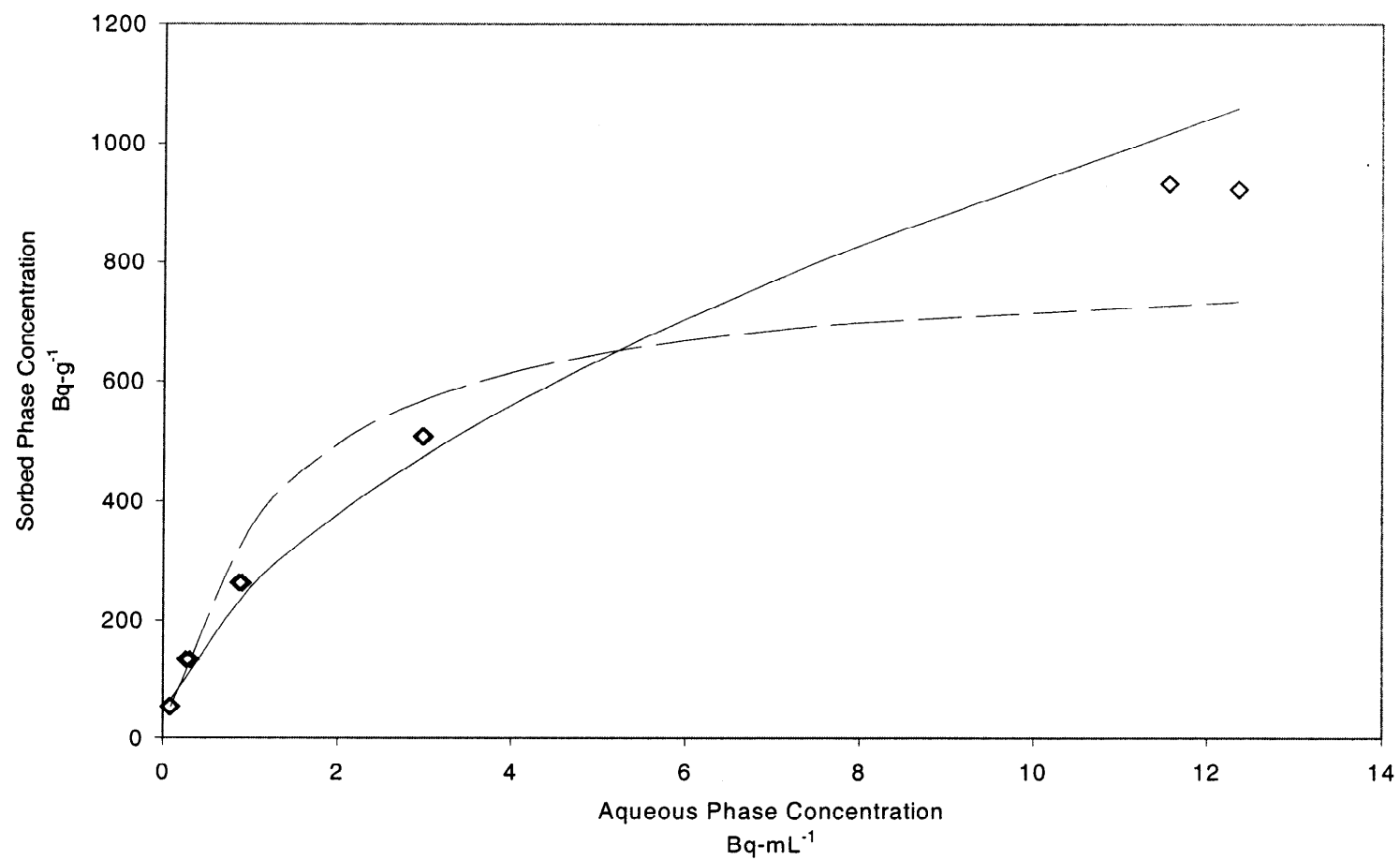


Figure D.10 Application of sorption models to results of equilibrium study for neptunium on soil I3D-INEEL-229 (\diamond). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

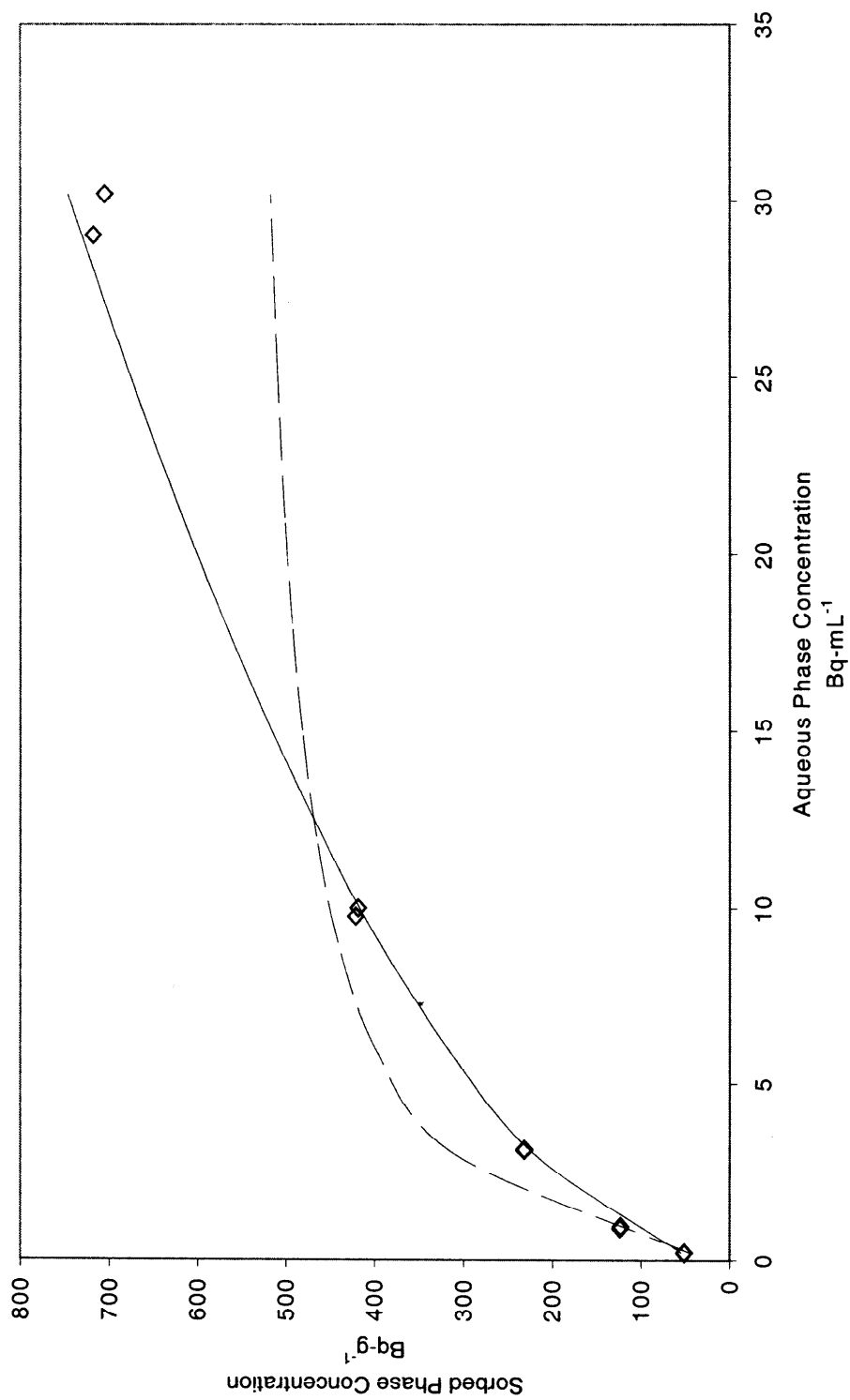


Figure D.11 Application of sorption models to results of equilibrium study for neptunium on soil I4D-INEEL-231 (◇). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

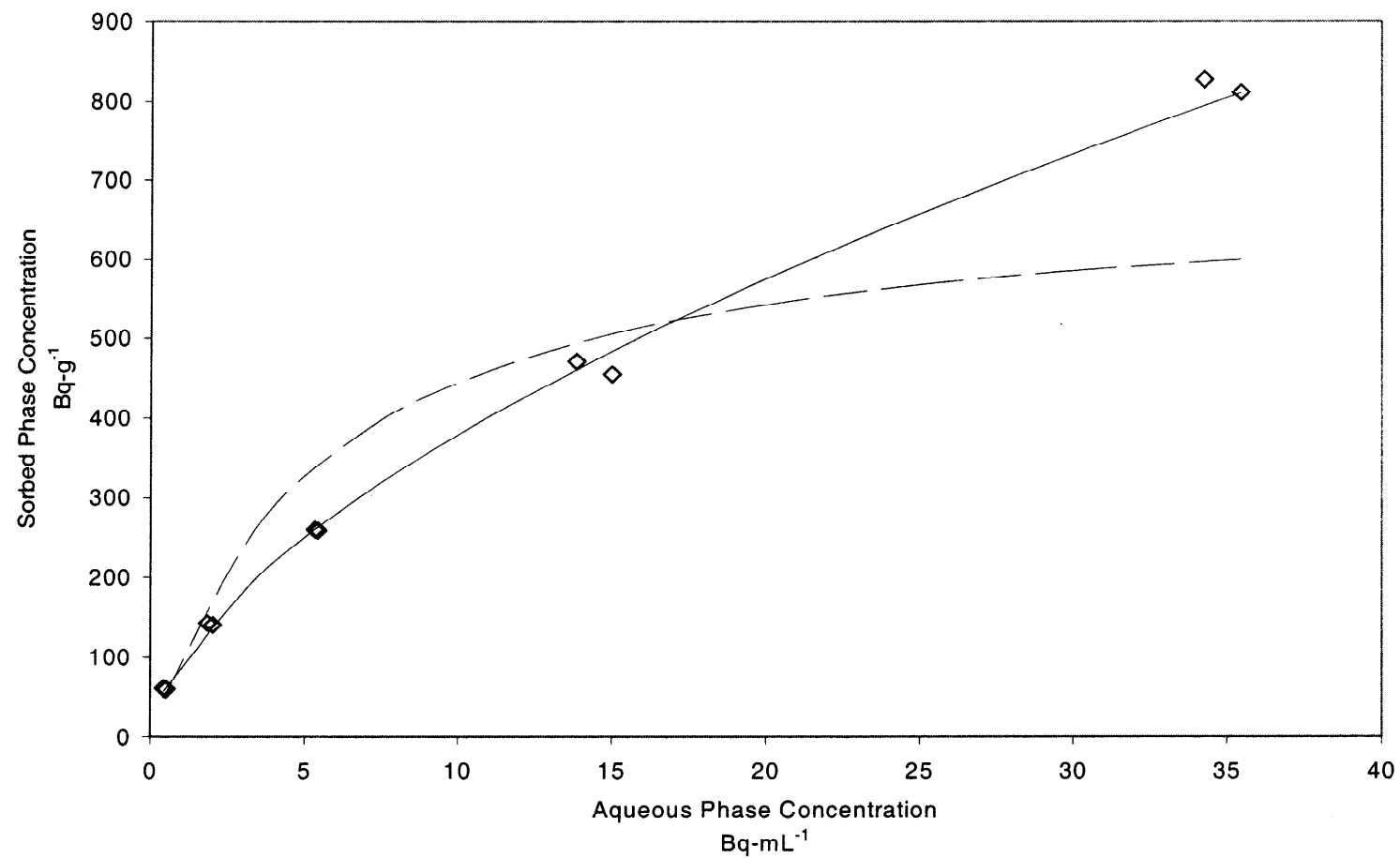


Figure D.12 Application of sorption models to results of equilibrium study for neptunium on soil I1D-INEEL-234 (\diamond). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.

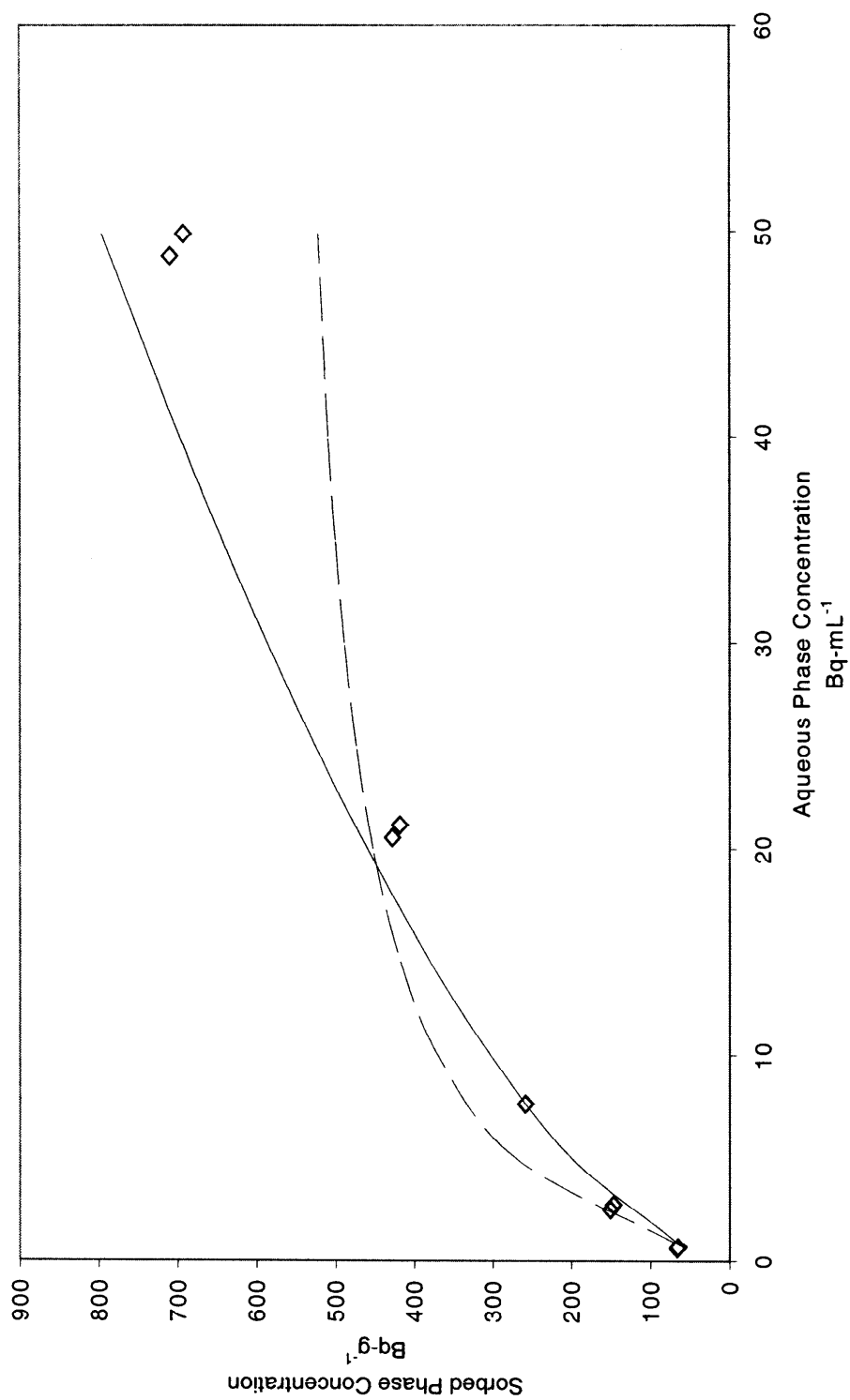


Figure D.13 Application of sorption models to results of equilibrium study for neptunium on soil 14D-INEEL-234 (\diamond). Solid line represents the fitted Freundlich model. Dashed line represents the fitted Langmuir model.